

SESSION 8D

“SO, WHAT ARE ALL THESE EM&V GUIDELINES, PROTOCOLS, UNIFORM METHODS, STANDARDS, AND MODEL PRACTICES BEING ESTABLISHED IN THE U.S. AND WHY?”

Moderator: Carla Frisch, US DOE

SESSION SUMMARY:

As energy efficiency goals and expenditures increase at the local, state, federal and international levels, there is an increasing interest in how the impacts of efficiency programs can and should be documented for resource planning and assessing whether specific programs have met their goals. The scale-up has also heightened interest in consistency and, therefore, driven an increase in the number of entities developing EM&V guides, protocols, standards, methods, etc. Some of these efforts are being driven by well-established efficiency industry organizations, while others are or have been developed by entities new to the worlds of efficiency and/or EM&V. While some efforts are intended to simply provide “capacity building” and explain common practice, others are intended to bring consistency to the practice of EM&V. Though each effort seems to have its niche, there is the potential for overlap, confusion, and tension. The panel members are all expert practitioners in the field of EM&V who are also directly involved in many if not all of ongoing standardization efforts. Particular efforts that will be discussed are:

- US Department of Energy Uniform Methods Project
- State and Local Energy Efficiency Action Network Impact Evaluation Guide and Behavioral Program Guide
- Efficiency Valuation Organization’s IPMVP
- American National Standards Institute (ANSI) Energy Efficiency Standardization Coordination Collaborative (EESCC)
- EM&V Regional Forum Suite of Guides (NEEP)
- Regional Technical Forum Methods Uniformity projects
- American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) Guideline 14 Measurement of Energy and Demand Savings
- North American Energy Standards Board (NAESB) Model Business Practice
- European Union Energy Efficiency Directive, measurement, monitoring, and evaluation
- International Standards Organization’s ISO-50001 Energy Management Systems

The panelists will review and discuss these EM&V efforts (and others), touching on each effort’s respective roles, applicable jurisdictions, and intended audiences. Importantly, they will also have an open discussion of the opportunities/challenges for coordination as well as potential for conflicts with multiple efforts informing and supporting the development of national EM&V practices. Discussion will cover opinions on realistic expectations with respect to the level of consistency in evaluating efficiency savings possible, without a national energy efficiency resource standard or GHG mitigation program requiring efficiency. Given the large number of independent jurisdictions implementing efficiency efforts, and a variety of motivations and criteria for success, the panel will explore when and where the guidance from the organizations above are likely to apply. Recommendations for the role of the EM&V industry in informing, developing and using/adopting these efforts will also be discussed. A good time will be had by all as the panel addresses “So, What Are All These EM&V Guidelines, Protocols, Uniform Methods, Standards, and Model Practices Being Established in the U.S. and Why?”